1. In the year 2010, there were 51 graduates from Northwest Indian College. President Crazy Bull wants to increase the number of graduates to 75 by 2015.
2. Create two *ordered pairs* from this data (hint: X= years Y= graduates)
3. Calculate the *slope*.
4. Calculate the *y intercept* using the *slope intercept form* y = mx + b (hint: use the last two digits of each year when figuring *y intercept*)
5. Create a *linear equation* in the form y = mx + b
6. Graph the equation using *y intercept* and *slope* (hint: Number by 5’s on the *x-axis* and by 10’s on the *y axis*)
7. From the graph, *estimate* the number of Northwest Indian College graduates by 2025.
8. *Calculate* the number of graduates by 2025 using the linear equation you created.
9. In the year 2010, there were 1320 students enrolled at Northwest Indian College. President Crazy Bull wants to increase the number of students to 1650 by 2015.
10. Create two *ordered pairs* from this data (hint: X= years Y= students)
11. Calculate the *slope*.
12. Calculate the *y intercept* using the *slope intercept form* y = mx + b (hint: use the last two digits of each year when figuring *y intercept*)
13. Create a *linear equation* in the form y = mx + b
14. Graph the equation using *y intercept* and *slope* (hint: Number by 5’s on the *x-axis* and by 500’s on the *y axis*)
15. From the graph, *estimate* the number of Northwest Indian College students by 2025.
16. *Calculate* the number of students by 2025 using the linear equation you created.